

15199.ST25.txt
SEQUENCE LISTING

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Riggin, Ralph M
Sheliga, Theodore A.

<120> Activated Protein C Formulations

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<140> 10/506,301

<141> 2004-09-01

<150> PCT/US03/05046

<151> 2003-02-27

<160> 3

<170> PatentIn version 3.3

<210> 1

<211> 410

<212> PRT

<213> Homo sapiens

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His Ser Ser Leu Glu Arg Glu Cys Ile Glu Glu Ile Cys Asp Phe Glu
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Glu Ala Lys Glu Ile Phe Gln Asn Val Asp Asp Thr Leu Ala Phe Trp
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Ser Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His
35 40 45

Pro Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile
50 55 60

Gly Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys
65 70 75 80

Gln Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys
85 90 95

Thr His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala
100 105 110

Pro Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His Pro Ala Val
115 120 125

Lys Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys Arg Ser
130 135 140

His Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg
145 150 155 160

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Leu Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro Trp Gln Val
 165 170 175
 Val Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala Val Leu Ile
 180 185 190
 His Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys
 195 200 205
 Lys Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg Trp Glu Lys
 210 215 220
 Trp Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr
 225 230 235 240
 Ser Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln
 245 250 255
 Pro Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu Pro Asp Ser
 260 265 270
 Gly Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val
 275 280 285
 Thr Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn
 290 295 300
 Arg Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn
 305 310 315 320
 Glu Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys
 325 330 335
 Ala Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly
 340 345 350
 Gly Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu
 355 360 365
 Val Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr Gly Val Tyr
 370 375 380
 Thr Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His Ile Arg Asp
 385 390 395 400
 Lys Glu Ala Pro Gln Lys Ser Trp Ala Pro
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<212> PRT
 <213> Homo sapiens

<400> 2

Ser Ser Leu Glu Arg Glu Cys Ile Glu Glu Ile Cys Asp Phe Glu Glu
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Ala Lys Gln Ile Phe Gln Asn Val Asp Asp Thr Leu Ala Phe Trp Ser
 20 25 30

Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His Pro
 35 40 45

Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile Gly
 50 55 60

Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln
 65 70 75 80

Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr
 85 90 95

His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala Pro
 100 105 110

Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His Pro Ala Val Lys
 115 120 125

Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys Arg Ser His
 130 135 140

Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg Leu
 145 150 155 160

Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro Trp Gln Val Val
 165 170 175

Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala Val Leu Ile His
 180 185 190

Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys Lys
 195 200 205

Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp
 210 215 220

Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr Ser
 225 230 235 240

Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln Pro
 245 250 255

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Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu Pro Asp Ser Gly
260 265 270

Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val Thr
275 280 285

Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg
290 295 300

Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn Glu
305 310 315 320

Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys Ala
325 330 335

Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly Gly
340 345 350

Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu Val
355 360 365

Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr Gly Val Tyr Thr
370 375 380

Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His Ile Arg Asp Lys
385 390 395 400

Glu Ala Pro Gln Lys Ser Trp Ala Pro
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<212> PRT
<213> Homo sapiens

<400> 3

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Cys Ile Glu Glu Ile Cys Asp Phe Glu Glu Ala Lys Glu Ile Phe Gln
20 25 30

Asn Val Asp Asp Thr Leu Ala Phe Trp Ser Lys His Val Asp Gly Asp
35 40 45

Gln Cys Leu Val Leu Pro Leu Glu His Pro Cys Ala Ser Leu Cys Cys
50 55 60

Gly His Gly Thr Cys Ile Asp Gly Ile Gly Ser Phe Ser Cys Asp Cys
65 70 75 80

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Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln Arg Glu Val Ser Phe Leu
85 90 95

Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr His Tyr Cys Leu Glu Glu
100 105 110

Val Gly Trp Arg Arg Cys Ser Cys Ala Pro Gly Tyr Lys Leu Gly Asp
115 120 125

Asp Leu Leu Gln Cys His Pro Ala Val Lys Phe Pro Cys Gly Arg Pro
130 135 140

Trp Lys Arg Met Glu Lys Lys Arg Ser His Leu Lys Arg Asp Thr Glu
145 150 155 160

Asp Gln Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys Met Thr
165 170 175

Arg Arg Gly Asp Ser Pro Trp Gln Val Val Leu Leu Asp Ser Lys Lys
180 185 190

Lys Leu Ala Cys Gly Ala Val Leu Ile His Pro Ser Trp Val Leu Thr
195 200 205

Ala Ala His Cys Met Asp Glu Ser Lys Lys Leu Leu Val Arg Leu Gly
210 215 220

Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp Glu Leu Asp Leu Asp Ile
225 230 235 240

Lys Glu Val Phe Val His Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn
245 250 255

Asp Ile Ala Leu Leu His Leu Ala Gln Pro Ala Thr Leu Ser Gln Thr
260 265 270

Ile Val Pro Ile Cys Leu Pro Asp Ser Gly Leu Ala Glu Arg Glu Leu
275 280 285

Asn Gln Ala Gly Gln Glu Thr Leu Val Thr Gly Trp Gly Tyr His Ser
290 295 300

Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg Thr Phe Val Leu Asn Phe
305 310 315 320

Ile Lys Ile Pro Val Val Pro His Asn Glu Cys Ser Glu Val Met Ser
325 330 335

Asn Met Val Ser Glu Asn Met Leu Cys Ala Gly Ile Leu Gly Asp Arg

15199.ST25.txt
340 345 350

Gln Asp Ala Cys Glu Gly Asp Ser Gly Gly Pro Met Val Ala Ser Phe
355 360 365

His Gly Thr Trp Phe Leu Val Gly Leu Val Ser Trp Gly Glu Gly Cys
370 375 380

Gly Leu Leu His Asn Tyr Gly Val Tyr Thr Lys Val Ser Arg Tyr Leu
385 390 395 400

Asp Trp Ile His Gly His Ile Arg Asp Lys Glu Ala Pro Gln Lys Ser
405 410 415

Trp Ala Pro